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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/530,300	04/05/2005	Hiroshi Saitou	10873.1632USWO	3009
52835 7590 03/11/2009 HAMRE, SCHUMANN, MUELLER & LARSON, P.C. P.O. BOX 2902 MINNEAPOLIS, MN 55402-0902				
EXAMINER				
KHAN, ASHER R				
ART UNIT		PAPER NUMBER		
2621				
MAIL DATE		DELIVERY MODE		
03/11/2009		PAPER		

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

## DETAILED ACTION

### *Response to Arguments*

Applicant's arguments filed 2/17/2009 have been fully considered but they are not persuasive.

In re page 2 line 15 – 28, Applicants argue that Katayama does not disclose or suggest a file management portion that sets a data recording unit of data that is to be supplied to the semiconductor memory pack device to a common multiple of a size obtained by adding up the sizes of erase blocks of the plurality of flash memories and a data management size of the file management portion. Specifically applicants argue that Katayama does not take into account the data management size of the file management portion.

In response the Examiner respectfully disagrees. Katayama discloses a file management portion (Fig. 1, file control circuit, 4) sets a data recording unit of data (**1024 or 2048 bytes of data**; Col. 4, lines 53-67; Col. 5, lines 1-13) and that is to be supplied to the semiconductor memory pack device to a common multiple (**1024 or 2048 bytes**, Col. 4, lines 53-67; Col. 5, lines 1-13) of a size obtained by adding up the sizes of erase blocks ( $512 \text{ times } 4 = 2048$ ) of the plurality of flash memories and a data management size ( **$512 \text{ times } 2 = 1024$  or  $512 \text{ times } 4 = 2048$** ) of the file management portion. Katayama discloses a data management size ( **$512 \text{ bytes times } 2 = 1024 \text{ bytes}$** , **Fig. 11 or  $512 \text{ bytes time } 4 = 2048 \text{ bytes}$  or Fig. 10, 221**) (Four chip parallel access operation Col. 5, line 15; Fig. 10) of the file management portion.

In re page 3 line 1-11, Applicants argue that the size of the data recording unit of Katayama can never be set to a common multiple of the size obtained by adding up the sizes of erase blocks of plurality of flash memories of Katayama.

In response the Examiner respectfully disagrees. Katayama discloses the size of the data recording unit (**512 +512= 1024 bytes; Col. 2, lines 22-23; 512 bytes is a unit erasure block; Fig. 11**) of Katayama can be set to a common multiple (**1024 bytes Fig. 11, 221**) of the size obtained by adding up the sizes of erase blocks (**adding of 512+512 =1024 bytes; Fig. 11 201, 202**) of plurality of flash memories of Katayama. Since the 512bytes (size of one erasure block) + 512bytes (size of another erasure block) = 1024 bytes (a common multiple) (Fig. 11). A data recording unit of 1024 bytes can be set to a common multiple of 1024 bytes.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ASHER KHAN whose telephone number is (571)270-5203. The examiner can normally be reached on 9:00 AM to 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marsha Banks- Harold can be reached on (571)272-7905. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/A. K./  
Examiner, Art Unit 2621